Type-B, CVN-77, Nov 2011

INCLINED LADDER REMOVABLE / RETRACTABLE HANDRAIL EXTENSION

FEEDBACK FORM

In response to feedback from fleet sailors and the Naval Safety Center, NAVSEA is investigating alternatives to enhance the design of handrails on shipboard inclined ladders in way of hatches. Your review of this design prototype will help us in efforts to provide the safest and most efficient products to serve your needs. Further information on this project may be found at:

http://www.public.navy.mil/navsafecen/Pages/Afloat/Surface/SWLaddersSaf.aspx.

The inclined ladder removable / retractable handrail extension was installed as a prototype for evaluation in accordance with the following activities:

Defense Safety Oversight Council (DSOC) Naval Safety Center NAVSEA 05Z Naval Surface Warfare Center (NSWC) Code 974

Note: There are two handrail extension designs that are being evaluated. Please verify the ladder location and type in all feedback responses.

- A. Removable Handrail Extension This design has a removable upper handrail section that is stowed on the deck above the inclined ladder.
- B. Retractable Handrail Extension This design has a retractable upper handrail section that stows within the lower handrail of the inclined ladder.

Please provide feedback to the questions below in addition to any comments, questions or recommendations. It is recommended that the ship's Safety Officer and Damage Control Assistant collect all comments, complete and forward this form to the contact listed.

1. Have any falls or other a retractable handrail extens			removable /
	No X	been accompnished:	
	se explain	N/A_	
2. In your observation, has	the presence of the	removable / retractable	e handrail extension
prevented any falls?			
	No		
	-	ndrails help greatly wh	
the wet hangar bay	to the ladder well, h	elps stability, less slip	ping and less
problems with carr	ying gear from Hang	er Bay up ladder well.	
3. Has the removable / retr since installed?	actable handrail exte	ension caused any oper	ational problems
Yes	NoX		

Inspected by De (sw) Hazrisus

If Yes, please explain		n	_N/A	1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1
4. Compared wit	h the original chair	n handrail design, l	now would you ra	ite the
effectiveness of t	the removable / ret	ractable handrail e	xtension?	
Much worse: Trial version creates operation problems	Not quite as good: Might create operational problems	About as good/ no big change	A little better: Less likely to create problems	Much better: Much less apt to create operational problems
-2	-1	0	+1	+2
Please explain:	ŀ	Handrails help grea	itly when transiting	ng from the wet
	e ladder well, help			
carrying gear fro	m Hanger Bay up	ladder well.		
6. Have there been the installed positive Y	Yes, please explained any problems we stion? Tes Note Yes, please explained as a contract of the contra	ith the removable		1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1
				he side to bow out
* *	llowing the hand ra		The state of the s	1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1
	es in railing when h		A STATE OF THE PARTY OF THE PAR	
7. Have there be the stowed positi	en any problems w	rith the removable		rail extension in
	e how many times d removed / extend			extension has

None 1-5 6-10 11-20 > 20

9. Please estimate if the time required for closing the hatch been adversely affected by the removal and stowage / retraction of the handrail extension?

Much worse: Trial version takes much longer to remove and store	Not quite as good: Trial version takes a little longer to remove and store	About as good/ no big change	A little better: Trial version is a little easier/quicker to remove and store	Much better: Trial version is much easier/quicker to remove and store
-2	-1	0	+1	+2

Please explain:

10. Does the hand	drail extension sho	w excessive signs	of wear or other d	amage?
	esX No			
If	Yes, please explai	n _1-Top supporting		
		_2-Ladder pin h	oles getting larger.	, warped
Yo If	es X No	n _1-Need to re-tig		
twice a week due	to short studded i	astellers		
12. Please provid safety.	e an overall evalua	ation of how the ha	andrail extension a	ffects ladder
Much worse: Much less safe than current design	Not quite as good: Not quite as safe as current design	About as good/ no big change	A little better: Trial version is a little safer than current design	Much better: Trial version is a big improvement for safety
-2	-1	0	+1	+2
comments on har	ndrails, personnel p	ts, please list here prefer to have a har ansit with gear up	ndrail to hold onto	vice a chain, also
		talled on ladders v		
this creates a big		to transit up and de	own radders with	vet snower snoes;
uns creates a oig	in indicates.			
Late				
Thank you for yo	our feedback.			

Hatch requires 3 personnel to close now vice the normal 2

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Please forward this completed feedback form to: